

Inventors: Ruoslahti and Pasqualini  
Serial No.: 09/228,866  
Filed: January 12, 1999  
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D<sup>1</sup>  
15. (Twice Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CLSSRLDAC (SEQ ID NO: 3).

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D<sup>2</sup>  
17. (Twice Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CNSRLHLRC (SEQ ID NO: 1).

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D<sup>3</sup>  
19. (Twice Amended) An isolated [A] peptide, [that selectively homes to brain] comprising the amino acid sequence CNSRLQLRC (SEQ ID NO: 5).

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D<sup>4</sup>  
24. (Twice Amended) An isolated [A] peptide that selectively homes to brain, consisting of the amino acid sequence:

$X_3VLRX_4$  (SEQ ID NO: 46),

wherein  $X_3$  is absent or is 1 to 10 independently selected amino acids and  $X_4$  is 1 to 20 independently selected amino acids, and wherein said peptide is cyclic and exhibits at least two-fold greater specific binding to brain than to kidney.

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D<sup>5</sup>  
28. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CVLRGGRC (SEQ ID NO: 4).

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D<sup>6</sup>  
30. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
WRCVLREGPAGGCAWFNRHRL (SEQ ID NO: 16).

D<sup>7</sup>  
32. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
CENWWGDVC (SEQ ID NO: 2).

D<sup>8</sup>  
34. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
CGVRLGC (SEQ ID NO: 6).

D<sup>9</sup>  
36. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
CKDWGRIC (SEQ ID NO: 7).

D<sup>10</sup>  
38. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
CLDWGRIC (SEQ ID NO: 8).

D<sup>11</sup>  
40. (Amended) An isolated [A] peptide [that  
selectively homes to brain], comprising the amino acid sequence  
CTRITESC (SEQ ID NO: 9).